This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended)   Method for setting up telephone-to-telephone calls using telephones connected to a PSTN/ISDN access network and using a separate packet-switched network[[,]] ~~especially Internet~~ as a ~~substantial~~ by-pass network, ~~special~~ wherein telephone gateways (GW) ~~forming~~ provide bridges between the access network and said by-pass network, and connections being established between a calling party (A) telephone and a first gateway (GWa) and between a second gateway (GWb) and a called party (B) telephone ~~the user telephones (A,B) and the gateways (GW) that bridge the call,~~ said method comprising the steps of:

~~c h a r a c t e r i z e d i n that~~ dialling, by a ~~the~~ calling party (A) in a one-step procedure, ~~dials~~ a by-pass network service prefix together with the number of ~~the~~ a called party (B), ~~i.e. a prefix + B number, and more specifically an~~ said by-pass network service prefix comprising an IN-service prefix, and

~~that~~ analyzing said by-pass network service prefix ~~is analysed~~ to identify the relevant IN service for thereby routing the call to an IN node which can execute this IN service, the IN service ~~establishes~~ establishing a ~~the~~ call to ~~an appropriate~~ said first gateway (GWa) selected from one of a plurality of gateways (GW), ~~which means that~~ whereby said first ~~the~~ gateway is made service transparent to the calling party (A).

2.   (Currently Amended)   Method as claimed in claim 1,
c h a r a c t e r i z e d i n that wherein said IN service is arranged adapted to find
the most appropriate, e.g. the closest gateway (GW) by analyzing the caller's calling
party (A) number (A), each of said plurality of gateways being associated with
geographic areas associated with calling party locationsand/or possibly route the call to
an alternative gateway if the closes is busy, etc.

3.   (Currently Amended)   Method as claimed in claim 1 2, further
comprising the step of:
c h a r a c t e r i z e d i n that after the IN service has established the call (A) to
the most appropriate first gateway (GW), (Gwa) there is in the call set-up included the
associated gateway number (Gwa) as destination number, as well as the caller calling
party (A) number (A) and the callee called party (B) number (B).

4-6.   (Cancelled).

7.   (Currently Amended)   Method as claimed in claim 6 1,
c h a r a c t e r i z e d i n that there is maintained an updated wherein a list of said
plurality of gateways is stored In the by-pass network, as well as a list of respective IP-
addresses and the respective area code(s) associated with each of said plurality of
gateways.

8. (Currently Amended) Method as ~~claimed in any of the preceding claims~~ recited in claim 1, further comprising the step of:

~~characterized in that~~ using the area code of the called party (B) number ~~(B) of the callee is used~~ to find the IP-address of ~~the most appropriate callee~~ said second gateway (GWb)~~, for example the closest gateway thereof~~.

9. (Currently Amended) Method as ~~claimed in any of the preceding claims,~~ recited in claim 1, further comprising the step of:

~~characterized in that~~ including in the call setup from the intelligent network (IN) towards the ~~access~~ first gateway (GWa) the IP-address of the ~~terminal~~ second gateway (GWb) ~~is included~~, so that the ~~access~~ first gateway (GWa) can use the received ~~terminal~~ second gateway (GWb) IP-address in the remaining call handling process.

10. (Cancelled)